

FUEL SYSTEM

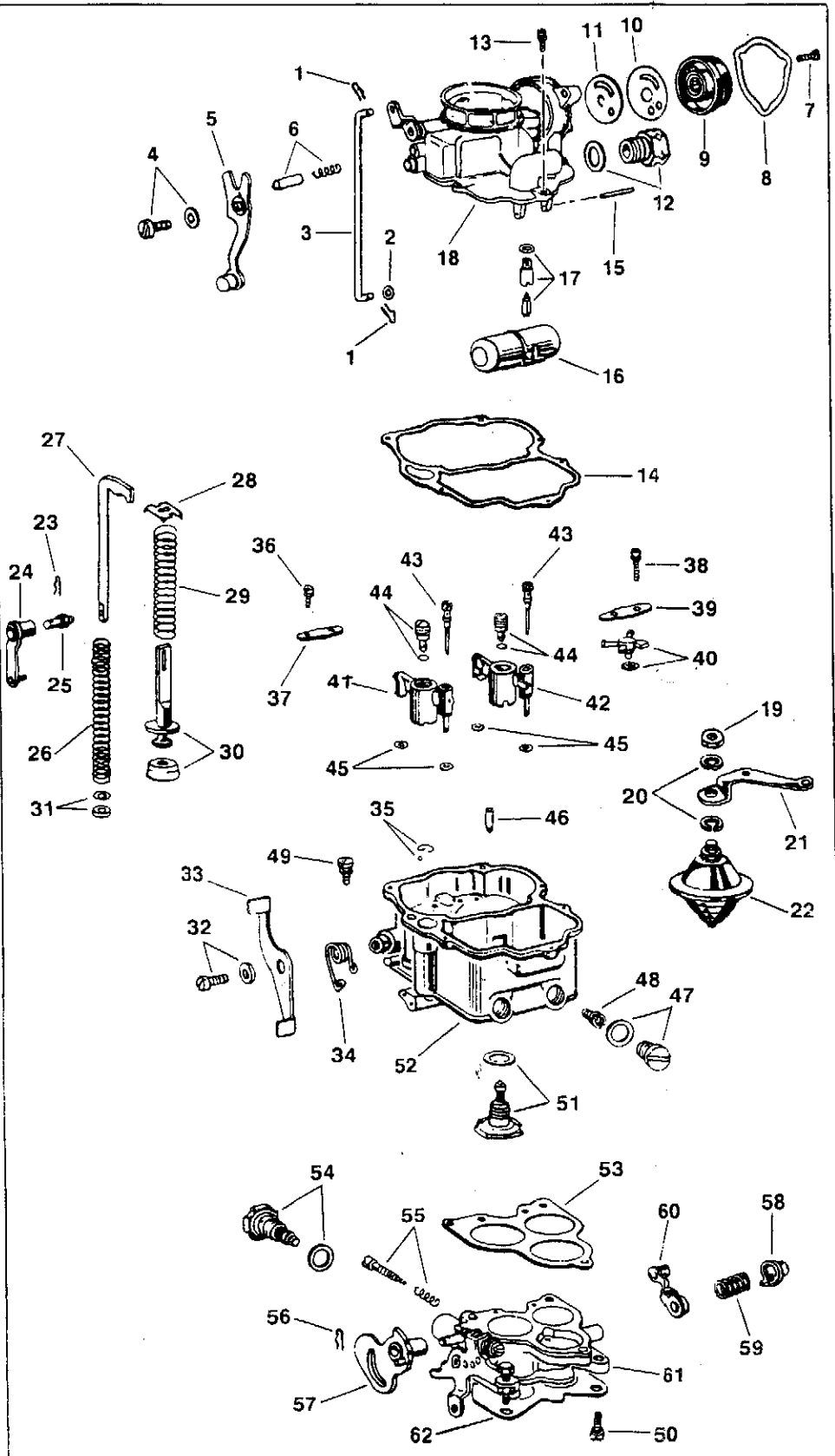
SERVICE INSTRUCTION WORKSHEET

TO REPAIR

GF3690-2

HOLLEY CARBURETOR

2 BARREL—Models AA-1, 2100, 2110



1. Carefully read the text in the following pages to become familiar with the contents of this worksheet before performing carburetor overhaul.
2. The exploded view is typical of the model carburetor this kit will service. The view may differ slightly from the actual carburetor being overhauled.
3. Use the exploded view as a guide. The numerical sequence of the parts list may generally be followed to disassemble the carburetor far enough to permit cleaning and inspection.
4. Parts list shown DOES NOT reflect the contents of the kit.
5. Kit may contain extra parts intended for other carburetors within this group. Substitute identical replacement parts for original worn parts found in carburetor.

CLEANING

Cleaning must be done with carburetor disassembled. Use spray cleaner and a stiff bristle brush to remove dirt and carbon deposits. Do not use abrasives and wires to clean parts and passageways. Wash off in suitable solvent, and clear all passageways with compressed air. **Caution:** When cleaning with solvent do not soak or spray parts containing rubber, leather, plastic and electrical components.

REMOVAL & INSTALLATION NOTES

1. Cover opening on intake manifold after carburetor is removed.
2. Before removing idle mixture needles (55), turn in until lightly seated, counting number of turns. Record for installation.
3. Install parts and components in reverse order of removal.
4. See Fig. 7 for correct installation of float.
5. When installing idle mixture needles (55), turn in until lightly seated, then back out number of turns recorded earlier.
6. Exercise care when installing economizer valve (51). Do not over-tighten.

PARTS LIST

1. Retainer, fast idle rod* (2)
2. Washer*
3. Rod, fast idle*
4. Screw & washer, choke lever
5. Lever, choke
6. Plunger & spring, choke lever
7. Screw, retainer ring* (3)
8. Retainer, stat cover*
9. Cover & thermostatic coil
10. Gasket, stat cover*
11. Plate, choke baffle*
12. Fitting & washer, fuel inlet
13. Screw, air horn (5)
14. Gasket, air horn
15. Pin, float hinge
16. Float assembly
17. Needle, seat & washer assembly
18. Air horn assembly
19. Nut, dashpot*
20. Lockwasher, dashpot* (2)
21. Bracket, dashpot*
22. Dashpot assembly*
23. Retainer, pump link
24. Link, pump operating
25. Stud, pump link
26. Spring, pump return
27. Rod, pump operating
28. Retainer, spring
29. Spring, pump
30. Pump, piston & cup assembly
31. Washer & felt seal
32. Screw & washer, throttle kicker
33. Throttle kicker assembly
34. Spring, throttle kicker
35. Retainer & inlet check ball
36. Screw, hold-down plate (2, short)
37. Plate, nozzle bar hold-down
38. Screw, hold-down plate (2, long)
39. Plate, discharge nozzle hold-down
40. Discharge nozzle & washer, pump
41. Nozzle bar left side
42. Nozzle bar right side
43. Idle tube assembly (2)
44. Nozzle air bleed plug & washer* (2)
45. Washer, nozzle bar (4)
46. Needle, pump discharge
47. Plug & washer, main jet (2)
48. Jet, main (2)
49. Screw, throttle body (2)
50. Screw, throttle body
51. Economizer valve & washer assembly
52. Main body assembly
53. Gasket, throttle body
54. Spark valve & washer assembly*
55. Needle & spring, idle mixture (2)
56. Retainer, fast idle cam*
57. Cam, fast idle*
58. Collar, throttle lever* (hand)
59. Spring, throttle lever* (hand)
60. Throttle lever assembly* (hand)
61. Throttle body assembly
62. Gasket, flange

PARTS LIST SHOWN DOES NOT REFLECT THE CONTENTS OF THE KIT

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* Some Models

ADJUSTMENT DATA

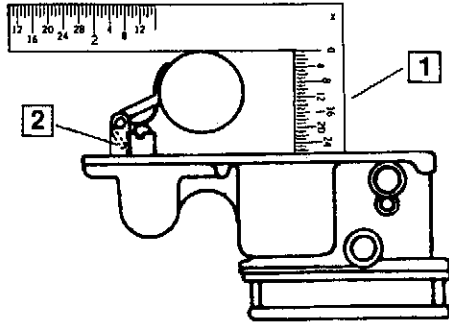
**FIG. 1
FLOAT LEVEL
ADJUSTMENT**

1. With air horn assembly inverted, measure distance from surface of air horn (without gasket) to bottom of float as shown. Check both sides of float.

Models AA-1, 2100 set 1-11/32".
Model 2110 Ford set 1-15/32".
IHC set 1-5/16".

2. To adjust, bend float tang.

Caution: Do not exert pressure on needle valve as damage or incorrect setting may result.

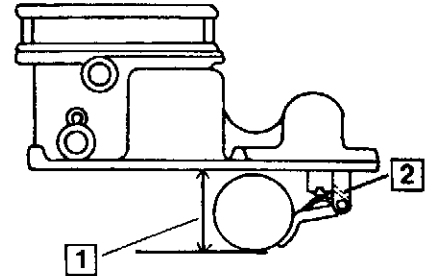


**FIG. 2
FLOAT DROP
ADJUSTMENT**

1. With air horn held right side up and gasket removed, measure distance from surface of air horn to bottom of float as shown. Check both sides of float.

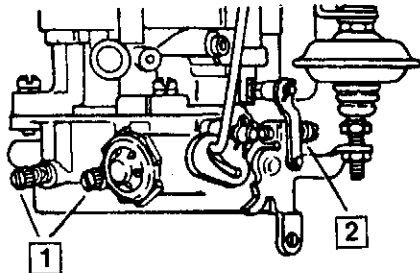
Models AA-1, 2100 set 1-7/16".
Model 2110 set 1-3/4".

2. To adjust, bend float tab.



**FIG. 3
ENGINE IDLE
ADJUSTMENT**

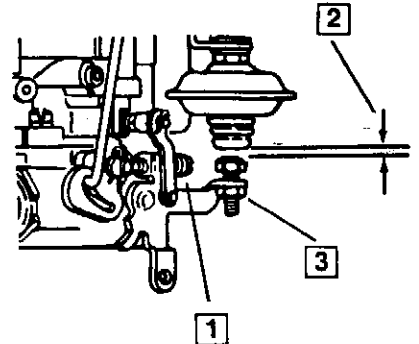
1. With engine at normal operating temperature and choke fully open, adjust idle mixture screws for a smooth idle.
2. Adjust idle stop screw for 450 to 500 RPM.



**FIG. 4
DASHPOT
ADJUSTMENT**

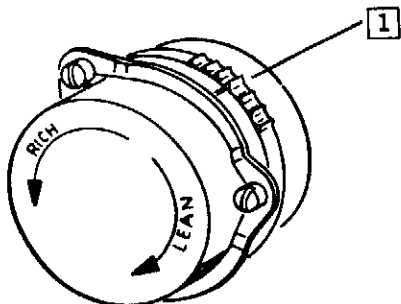
NOTE: This adjustment should be done after engine idle adjustments.

1. Make sure slow idle is properly adjusted. (FIG. 3, step 2).
2. With choke valve fully open and throttle valves closed, fully depress dashpot stem and measure clearance between end of stem and adjusting screw as shown. Clearance should be 1/16".
3. To adjust, loosen locknut and turn screw in or out. Retighten locknut.



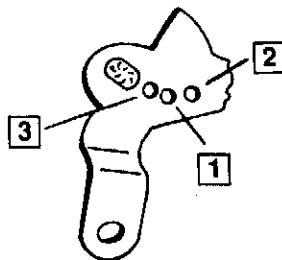
**FIG. 5
AUTOMATIC CHOKE SETTING**

1. Rotate stat cover against spring tension. Set mark on cover to center mark on housing.
2. Allowable variation— 2 notches either side from index.



**FIG. 6
PUMP OPERATING LINK POSITION**

1. Install link in center hole for standard operation & normal weather.
2. Install link in outer hole for rich mixture & cold weather.
3. Install link in inner hole for lean mixture & hot weather.



**FIG. 7
FLOAT INSTALLATION**

1. When installing float, make sure float tab is positioned behind spring as shown.

